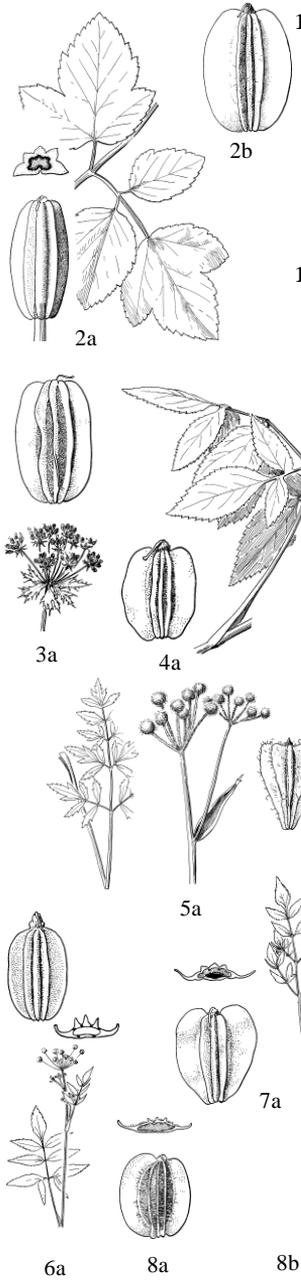


Revised key includes synonymizing *Sphenosciadium capitellatum* within *Angelica* (*A. capitellata*) – see lead 5a. K. Spalik, J.-P. Reduron, and S. R. Downie. 2004. The phylogenetic position of *Peucedanum* sensu lato and allied genera and their placement in tribe Selineae (Apiaceae, subfamily Apioideae). *Plant Syst. Evol.* 243: 189–210.

Angelica L. *Angelica*

Umbels compound; invol bracts and involucl bractlets foliaceous or narrow and scarious, or absent; fls white, seldom pink or yellowish; calyx teeth minute or absent; stylopodium broadly conic; carpophore bifid to base; fr elliptic-oblong to orbicular, strongly compressed dorsally, glab to scab, hispidulous, or tomentose, the lateral and often also the dorsal ribs evidently winged, or ribs all sometimes merely elevated and corky-thickened but scarcely winged; oil tubes few–∞; stout per herbs, gen single-std from stout taproot; lvs pinnately to ternately 1–3 × compound, with broad, toothed or cleft lflets, uppermost ones often merely bladeless petiolar sheaths. (*L. angelus*, angel, referring to properties making some spp. of value in medicine or manufacture of cordials). (*Sphenosciadium*).



- 1a** Pls maritime; invol mostly absent but involucl present
- 2a** Lvs essentially glab; dorsal ribs or wings of fr similar to the lateral; oil tubes ∞, adhering to the seed, which is free within the pericarp at maturity (fr unique among our spp.); pls 3–15 dm; beaches, coastal bluffs, and salt marshes, always maritime in our region, but inl elsewhere; Pac Rim, Siberia to n CA, also from Ont to Atl, s to VA; sea-watch, seacoast a. (*Coelopleurum* l.) **1 A. lucida** L.
- 2b** Lvs tomentose or woolly beneath (unique among our spp.); lateral wings of fr better developed than dorsal ones; oil tubes few, the seed adhering to the pericarp; pls (3–)8–20 dm; coastal bluffs and sand dunes; Clallam Co, WA to c CA, seldom coll in n part of range; Henderson’s a. **2 A. hendersonii** J.M. Coult. & Rose
- 1b** Pls not maritime; invol and involucl various
- 3a** Fls distinctly yellowish; infl consisting of a single compound umbel (rarely 2); invol bracts conspicuous, foliaceous, often = rays of umbel, or rarely absent; pls 3–9 dm; along streams to wet slopes in mts; se BC and sw Alta to c ID and nw MT, extending e Cont Div in GNP; Dawson’s a. (*Thaspium aureum* var. *involutratum*) **3 A. dawsonii** S. Watson
- 3b** Fls white or pinkish; infl gen 2–more compound umbels; invol gen absent, occ a few small bracts or a single sheathing bract
- 4a** Rachis of lvs bent downwards at insertion point of the 1st pair of pinnae and commonly also at the insertion points of successive pinnae, the primary pinnae gen deflexed; pls 4–20 dm; moist places, lowl to mont; AK to CA, mostly w Cas, but e to Selkirk Mts, BC and to c Alta; kneeling a. **4 A. genulflexa** Nutt.
- 4b** Rachis of lvs not bent downwards, the pinnae not deflexed; pls e Cas, except for the widespread *A. arguta*
- 5a** Umbellets capitate, fls sessile, white or occ purplish; infl tomentose, umbels 1–several, rays 1–5 cm, fr 5–8 × 3–5 mm, wings wider distally; foliage scab to subglab; lflets ± lanceolate, 2.5–8 × 0.5–2 cm; wet meadows and moist low places, foothills to midmont; Wallowa and Strawberry mts, OR to Sierran CA, e to c ID and w NV; woolly-head parsnip (*S. c.*) **5 A. capitellata** (A. Gray) Spalik, Reduron & S.R.Downie
- 5b** Umbellets not capitate, fls pedicellate;
- 6a** Lvs oblong to elliptic, pinnately to incompletely bipinnately compound; ovary lightly scab; dorsal ribs of fr well developed; pls 3–8 dm; thickets, meadows, and stream banks, foothills to subalp; w MT and adj ID, s to UT and NM; pinnate-lvd a. **6 A. pinnata** S. Watson
- 6b** Lvs more deltoid, ternate-pinnately compound; ovary glab or scab to hairy
- 7a** Ovaries and fr glab; involucl gen absent; lflets mostly 4–14 cm; pls 5–15 dm; wet places, foothills and valleys to subalp; s BC to n CA, mostly e Cas in WA, but in OR common in Wi Va, e to sw Alta, WY, and UT; Lyall’s a., sharptooth a. (*A. lyallii*, *A. piperi*) **7 A. arguta** Nutt.
- 7b** Ovaries and fr scab-tuberculate or short-hairy; involucl present or absent; lflets 1.5–5.5 cm
- 8a** Involucl gen absent; dorsal ribs of fr very narrowly winged, not much thickened; pls 5–12 dm; open, moist places at low to moderate elev; chiefly e Cas, n WA to c and ne OR; Canby’s a. **8 A. canbyi** J.M. Coult. & Rose
- 8b** Involucl of evident, narrow bractlets; dorsal wings of fr thickened and fairly well developed, though not so large as lateral ones; pls 1.5–8 dm; talus slopes and other dryish, rocky places, mont to subalpine; w MT and adj ID to UT, WY, and CO; Rose’s a. **9 A. roseana** L.F. Hend.